

layer 2, the first information layer 2 is irradiated with the light modulated between Pp1 and Pb1.

Please replace the paragraph beginning on page 30, line 10 with the following:

Other methods for forming a substrate include a 2P (photo-polymerization) method, in which the patterns on a stamper are transferred using an ultraviolet curable resin. The 2P method will be described later in detail.

REMARKS

The above preliminary amendment is made to make corrections to the specification.

Applicants respectfully request that the preliminary amendment described herein be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

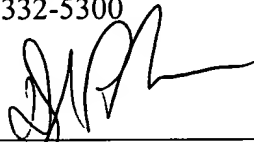
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, Douglas P. Mueller (Reg. No. 30,300), at (612) 371.5237.

Respectfully submitted,

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By



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DPM/tvm

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Paragraph beginning on page 1, line 17:

At present, there is much research on the above recording media to increase their recording capacities. For example, a recording medium having a multilayer structure whose recording capacity is doubled by laminating information layers to record/reproduce information signals has been proposed (U. S. Patent No. 5,726,969). Also, a DVD (digital [versataile] versatile disc)-ROM disk with two information layers has been put into practical use as a read-only optical disk. Moreover, a multilayer recording medium that can be recorded in the user's environment also has been proposed. Such a recording medium is formed of a phase changeable material, a magnet-optical recording material, a dye material, or the like.

Paragraph beginning on page 19, line 29:

As a result, it is possible to perform demodulation that compensates for the amplitude fluctuation of the second information layer [2] 4, corresponding to the sector address portion 9 of the first information layer 2. The slice level switching circuit 49 switches the slice level quickly, and S1 and S2 maintain the value in the range of "H" and "L" of the gate signal, respectively. This allows each slice level to follow the fluctuation in the recording medium.

Paragraph beginning on page 21, line 14:

FIG. 8(c) shows an example of the power switching signal 71s when recording is performed with the light modulated between two power levels Pp and Pb. For the sector address portion 13 of the second information layer 4, the reproduction power is taken as

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Pr. When a signal is recorded on the second information layer 4 through the data portion of the first information layer 2, the information layer is irradiated with the light modulated between Pp2 and Pb2. When a signal is recorded on the data portion of the [first information layer 2] second information layer 4 through the sector address portion 9 of the first information layer 2, the first information layer 2 is irradiated with the light modulated between Pp1 and Pb1.

Paragraph beginning on page 30, line 10:

Other methods for forming a substrate include a 2P [(photo-plimerization)]
(photo-polymerization) method, in which the patterns on a stamper are transferred using an ultraviolet curable resin. The 2P method will be described later in detail.

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